

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : KASEI OPTONIX CO LTD

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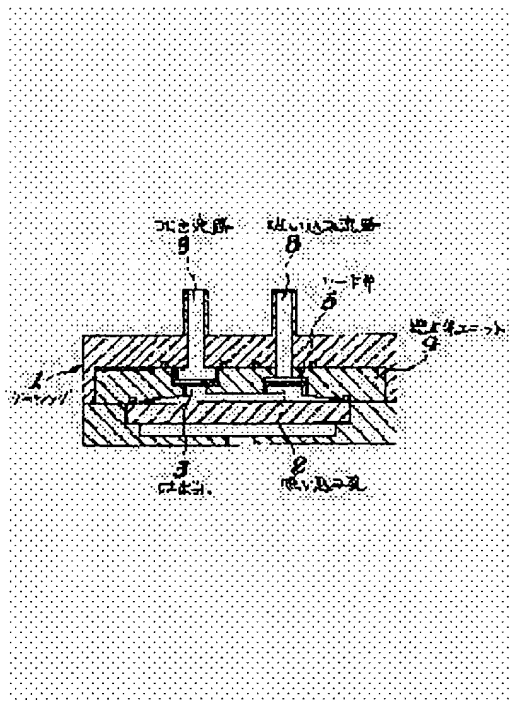
(72)Inventor : TOMITA TOMONOBU
TANAKA ATSUSHI

(54) REED VALVE FOR PUMP

(57)Abstract:

PROBLEM TO BE SOLVED: To make sealing property of a check valve part excellent and prevent carrier fluid from being limited, in a diaphragm type pump.

SOLUTION: This reed valve is constituted by being provided with a check valve unit 4 which is constituted by having a suction hole 2 communicating with a suction flow passage 8 making carrier fluid flow in and a discharge hole 3 discharging fluid flowed in and communicating with a discharge flow passage 9 and prevents back flow of carrier fluid and a reed valve 5 covering the suction hole 2 and the discharge hole 3 of the check valve unit 4 so that each of the holes 2, 3 may be opened and closed, within a casing 1. The reed valve 5 is constituted of a first reed valve and a second reed valve. The first reed valve is made of a soft material and is formed into a size to cover the whole of each of the suction hole 2 and the discharge hole 3. The second reed valve is provided so as to be superimposed on the first reed valve and to press the first reed valve so that it may be opened and closed.



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